

WEST Search History

DATE: Tuesday, November 06, 2007

Hide?	<u>Set</u>	<u>Name</u>	<u>Query</u>	<u>Hit Count</u>
			<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L87	L86 and (parallel or bar or rod or beam)		33
<input type="checkbox"/>	L86	L83 and (lug)		36
<input type="checkbox"/>	L85	L84 and (lug)		0
<input type="checkbox"/>	L84	L83 and ((multi or multiple or plural or dual or tri) with (pole or polar) with (switch\$4))		13
<input type="checkbox"/>	L83	L82 and (coil with capacit\$4 with circuit\$3)		1398
<input type="checkbox"/>	L82	L81 and (switch\$4)		54087
<input type="checkbox"/>	L81	(commutat\$3)		115403
<input type="checkbox"/>	L80	L79 and (vacuum)		9
<input type="checkbox"/>	L79	L70 and L43		39
<input type="checkbox"/>	L78	L77 and L43		2
<input type="checkbox"/>	L77	L76 and (((coil or antenna or probe or winding or loop or ring or anulus or anular\$2) same (capacit\$4)) same (circuit\$4))		77
<input type="checkbox"/>	L76	L75 and (disconnect\$4 or dis-connect\$4 or remov\$4 or eliminat\$4)		102
		L74 and ((toggle or toggl\$4 or movable or move or moved or moving or motion or alternat\$4 or change or changeable or changing or changed or varied or variable or oscillat\$4 or varying or rotat\$4 or nutat\$4 or flip\$4 or tip\$4 or twist\$4 or dial\$4 or rotary) same ((quiescent\$3 or inactiv\$3 or "off" or rest\$3) same (position or state or operat\$4 or mode)))		
<input type="checkbox"/>	L75	L74 and ((inserting or inserted or insertable or adding or added or add or includ\$3 or additional) with (switch\$4))		110
<input type="checkbox"/>	L74	L73 and ((coil or antenna or probe or winding or loop or ring or anulus or anular\$2) same (capacit\$4))		134
<input type="checkbox"/>	L73	L72 and ((quiescent\$3 or inactiv\$3 or "off" or rest\$3) same (position or state or operat\$4 or mode))		262
<input type="checkbox"/>	L72	L71 and (capacit\$4)		419
<input type="checkbox"/>	L71	L70 and ((quiescent\$3 or inactiv\$3 or "off" or rest\$3) same (position or state or operat\$4 or mode))		444
		L69 and ((contact\$4 or connect\$4 or link\$4 or bridg\$4 or end or terminus or termin\$4 or node) same (gold or silver or copper or metal or metalic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu"))		
<input type="checkbox"/>	L70	L69 and (((nuclear or magnetic or electron) with (resonan\$2)) or NMR or MRI or ESR)		1539
<input type="checkbox"/>	L68	(equivalent same series same resistan\$2)		3154
<input type="checkbox"/>	L68	(equivalent same series same resistan\$2)		25087
<input type="checkbox"/>	L67	L65 and (equivalent same series same resistan\$2)		2
<input type="checkbox"/>	L66	L65 and (equivalent same series same resistant)		1
<input type="checkbox"/>	L65	L64 and ((series) same (switch\$4))		19
		L49 and ((contact\$4 or connect\$4 or link\$4 or bridg\$4 or end or terminus or termin\$4 or node) same (gold or silver or copper or metal or metalic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu"))		
<input type="checkbox"/>	L64	L63 and (((nuclear or magnetic or electron) with (resonan\$2)) or NMR or MRI or ESR)		31
<input type="checkbox"/>	L63	L62 and (((nuclear or magnetic or electron) with (resonan\$2)) or NMR or MRI or ESR)		1

<input type="checkbox"/>	L62 (series with resistant with switch\$4)	120
<input type="checkbox"/>	L60 and ((contact\$4 or connect\$4 or link\$4 or bridg\$4 or end or terminus or termin\$4 or node)	
<input type="checkbox"/>	L61 same (gold or silver or copper or metal or metalic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu"))	5
<input type="checkbox"/>	L60 L59 and ((series) same (switch\$4))	24
<input type="checkbox"/>	L59 fetzner	369
<input type="checkbox"/>	L58 L57 and ((series) same (switch\$4))	12
<input type="checkbox"/>	L57 L56 and (parallel)	19
<input type="checkbox"/>	L56 L55 and (series)	26
<input type="checkbox"/>	L55 L54 and ((contact\$4 or connect\$4 or link\$4 or bridg\$4) same (gold or silver or copper or metal or metalic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu"))	27
<input type="checkbox"/>	L54 L49 and (gold or silver or copper or metal or metalic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu")	55
<input type="checkbox"/>	L53 L52 and ((contact\$4 or connect\$4 or link\$4 or bridg\$4) same (gold or silver or copper or metal or metalic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu"))	23
<input type="checkbox"/>	L52 L51 and (gold or silver or copper or metal or metalic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu")	50
<input type="checkbox"/>	L51 L50 and (((coil or antenna or probe or winding or loop or ring or anulus or anular\$2) same (capacit\$4)) same (circuit\$4))	79
<input type="checkbox"/>	L50 L49 and (circuit\$4)	94
<input type="checkbox"/>	L49 L48 and L43	96
<input type="checkbox"/>	L47 and ((toggle or togg\$4 or movable or move or moved or moving or motion or alternat\$4 or change or changeable or changing or changed or varied or variable or oscillat\$4 or varying or rotat\$4 or nutat\$4 or flip\$4 or tip\$4 or twist\$4 or dial\$4 or rotary) same ((quiescent\$3 or inactiv\$3 or "off" or rest\$3) same (position or state or operat\$4 or mode)))	1349
<input type="checkbox"/>	L47 L46 and (disconnect\$4 or dis-connect\$4 or remov\$4 or eliminat\$4)	1798
<input type="checkbox"/>	L46 L32 and ((inserting or inserted or insertable or adding or added or add or includ\$3 or additional) with (switch\$4))	2185
<input type="checkbox"/>	L45 L44 and (gold or silver or copper or metal or metalic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu")	4
<input type="checkbox"/>	L44 L43 and L41 (((324/300 324/301 324/302 324/303 324/304 324/305 324/306 324/307 324/308 324/309 324/310 324/311 324/312 324/313 324/314 324/315 324/316 324/317 324/318 324/319 324/320 324/321 324/322).ccls.) or ((600/407 600/408 600/409 600/410 600/411 600/412 600/413 600/414 600/415 600/416 600/417 600/418 600/419 600/420 600/421 600/422 600/423 600/424 600/425 600/426 600/427 600/428 600/429 600/430 600/431 600/432 600/433 600/434 600/435).ccls.) or ((333/219 333/219.1 333/219.2 333/220 333/221 333/222 333/223 333/224 333/225 333/226 333/227 333/228 333/229 333/230 333/231 333/232 333/233 333/234 333/235).ccls.) or ((335/296 335/297 335/298 335/299 335/300 335/301 335/302 335/303 335/304 335/305 335/306).ccls.) or ((382/128 382/129 382/130 382/131).ccls.))	32935
<input type="checkbox"/>	L42 L41 and (lug)	6
<input type="checkbox"/>	L41 L40 and ((Multiple or "multi" or multipole or "multi-pole") same (switch\$4))	226
<input type="checkbox"/>	L39 and ((toggle or togg\$4 or movable or move or moved or moving or motion or alternat\$4 or change or changeable or changing or changed or varied or variable or oscillat\$4 or varying or rotat\$4 or nutat\$4 or flip\$4 or tip\$4 or twist\$4 or dial\$4 or rotary) same ((quiescent\$3 or inactiv\$3 or "off" or rest\$3) same (position or state or operat\$4 or mode)))	
<input type="checkbox"/>	L40	468

<input type="checkbox"/>	L38 and (toggle or toggl\$4 or movable or move or moved or moving or motion or alternat\$4 or change or changeable or changing or changed or varied or variable or oscillat\$4 or varying or rotat\$4 or nutat\$4 or flip\$4 or tip\$4 or twist\$4 or dial\$4 or rotary)	547
<input type="checkbox"/>	L38 and (((tiny or minescul\$2 or small or little or minor or bit) with (gap or space or hole or distance or area or region or zone or volume)) same (position or state or operat\$3 or mode))	547
<input type="checkbox"/>	L36 and (((tiny or minescul\$4 or small or little or minor or bit) with (gap or space or hole or distance or area or region or zone or volume)) same (position or state or operat\$4 or mode))	547
<input type="checkbox"/>	L36 and (((tiny or minescul\$4 or small or little or minor or bit) with (gap or space or hole or distance or area or region or zone or volume)))	1028
<input type="checkbox"/>	L34 and (toggle or toggl\$4 or movable or move or moved or moving or motion or alternat\$4 or change or changeable or changing or changed or varied or variable or oscillat\$4 or varying or rotat\$4 or nutat\$4 or flip\$4 or tip\$4 or twist\$4 or dial\$4 or rotary)	520
<input type="checkbox"/>	L34 and (gold or silver or copper or metal or metalic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu")	520
<input type="checkbox"/>	L32 and (((tiny or minescul\$4 or small or little or minor or bit) with (gap or space or hole or distance)))	622
<input type="checkbox"/>	L32 and L31 and ((switch\$4) same (contact\$4 or connect\$4 or link\$4 or bridg\$4))	3249
<input type="checkbox"/>	L30 and ((coil or antenna or probe or winding or loop or ring or anulus or anular\$2) same (capacit\$4))	4129
<input type="checkbox"/>	L30 and (capacit\$4)	8389
<input type="checkbox"/>	L29 and (contact\$4 or connect\$4 or link\$4 or bridg\$4)	12764
<input type="checkbox"/>	L28 and (coil or antenna or probe or winding or loop or ring or anulus or anular\$2)	13094
<input type="checkbox"/>	L27 and (switch\$4)	15115
<input type="checkbox"/>	L26 and (((nuclear or magnetic or electron) with (resonan\$2)) or NMR or MRI or ESR)	41820
<input type="checkbox"/>	((quiescent\$3 or inactiv\$3 or "off" or rest\$3) same (position or state or operat\$4 or mode))	2910591
<input type="checkbox"/>	((quiescent\$4 or inactiv\$4 or "off" or rest\$3) same (position or state or operat\$4 or mode))	2918988
<input type="checkbox"/>	L23 and (quiescent\$4)	2
<input type="checkbox"/>	L22 and (switch\$4)	179
<input type="checkbox"/>	L21 and (switch\$4)	1
<input type="checkbox"/>	L20 and (((nuclear or magnetic or electron) with (resonan\$2)) or NMR or MRI or ESR)	1
<input type="checkbox"/>	L19 and ((equivalent same series same resistant) same (switch\$4))	85
<input type="checkbox"/>	L18 and ((equivalent with series with resistant) same (switch\$4))	1
<input type="checkbox"/>	(equivalent with series with resistant)	52
<input type="checkbox"/>	(equivalent same series same resistant)	1659
<input type="checkbox"/>	L15 and (equivalent same series same resistant)	25
<input type="checkbox"/>	L14 and (equivalent with series with resistant)	1
<input type="checkbox"/>	(((nuclear or magnetic or electron) with (resonan\$2)) or NMR oe ESR)	149464
<input type="checkbox"/>	L12 and (lug)	8
<input type="checkbox"/>	L11 and (parallel or bar or rod or beam)	176
<input type="checkbox"/>	L10 and ((multi or multiple or plural or dual or tri or bi) with (pole or polar) with (switch\$4))	216
<input type="checkbox"/>	L9 and (parallel or bar or rod or beam)	3
<input type="checkbox"/>	L8 and (lug)	3
<input type="checkbox"/>	L7 and ((multi or multiple or plural or dual or tri) with (pole or polar) with (switch\$4))	24

<input type="checkbox"/>	L6	L2 and ((switch\$4) with ((member or surface) with (contact or node or connect\$3)))	1659
<input type="checkbox"/>	L5	L2 and ((switch\$4) with ((member or surface) with (contact or node or connect\$3)))	0
<input type="checkbox"/>	L4	L2 and ((member or surface) with (contact or node or connect\$3))	5963
<input type="checkbox"/>	L3	L2 and (member or surface or contact or node or connect\$3)	25273
<input type="checkbox"/>	L2	L1 and (switch\$4)	26735
<input type="checkbox"/>	L1	(coil with capacit\$4 with circuit\$3)	43787

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: US 20060091886 A1

L9: Entry 1 of 3

File: PGPB

May 4, 2006

PGPUB-DOCUMENT-NUMBER: 20060091886

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060091886 A1

TITLE: Low esr switch for nuclear resonance measurements

PUBLICATION-DATE: May 4, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Flexman; John Harold	Western Australia		AU
Aitken; Christopher Norman	Western Australia		AU

US-CL-CURRENT: 324/322

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KINIC](#) [Drawn Desc](#) [Image](#)

2. Document ID: US 2996612 A

L9: Entry 2 of 3

File: USOC

Aug 15, 1961

US-PAT-NO: 2996612

DOCUMENT-IDENTIFIER: US 2996612 A

TITLE: Stop-on-signal radio tuning means

DATE-ISSUED: August 15, 1961

INVENTOR-NAME: ANDREWS EDWARD F

US-CL-CURRENT: 455/161.3, 116/254, 334/19, 334/74, 381/396, 455/234.1, 455/343.1, 74/10.15

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KINIC](#) [Drawn Desc](#) [Image](#)

3. Document ID: US 2573208 A

L9: Entry 3 of 3

File: USOC

Oct 30, 1951

US-PAT-NO: 2573208

DOCUMENT-IDENTIFIER: US 2573208 A

TITLE: Motor analyzer

DATE-ISSUED: October 30, 1951

INVENTOR-NAME: LOGAN WILLIAM W

US-CL-CURRENT: 324/378; 324/76.11, 73/117.2

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	RWRC	Draw Desc	Image
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Term	Documents
PARALLEL	3741154
PARALLELS	20396
BAR	1444735
BARS	638494
ROD	1694298
RODS	673746
BEAM	1398332
BEAMS	500830
(8 AND (PARALLEL OR BAR OR ROD OR BEAM)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3
(L8 AND (PARALLEL OR BAR OR ROD OR BEAM)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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Search Results - Record(s) 1 through 33 of 33 returned.

1. Document ID: US 20070153558 A1

L87: Entry 1 of 33

File: PGPB

Jul 5, 2007

PGPUB-DOCUMENT-NUMBER: 20070153558

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070153558 A1

TITLE: Method and apparatus for DC to AC power generator

PUBLICATION-DATE: July 5, 2007

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Alexander; Robert W.

Yucaipa

CA

US

Alexander; Josette M.

Yucaipa

CA

US

US-CL-CURRENT: 363/131[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn Desc](#) [Image](#)

2. Document ID: US 20020107054 A1

L87: Entry 2 of 33

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020107054

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020107054 A1

TITLE: Hand-held electronic device

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Fujisawa, Teruhiko

Shiojiri-shi, Nagano-ken

JP

Chihara, Hiroyuki

Okaya-shi, Nagano-ken

JP

US-CL-CURRENT: 455/573[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn Desc](#) [Image](#)

3. Document ID: US 7181179 B2

L87: Entry 3 of 33

File: USPT

Feb 20, 2007

US-PAT-NO: 7181179

DOCUMENT-IDENTIFIER: US 7181179 B2

** See image for Certificate of Correction **

TITLE: Hand-held electronic device

DATE-ISSUED: February 20, 2007

PRIOR-PUBLICATION:

DOC-ID DATE

US 20020107054 A1 August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fujisawa; Teruhiko	Shiojiri			JP
Chihara; Hiroyuki	Okaya			JP

US-CL-CURRENT: 455/129; 455/127.1, 455/418, 455/419, 455/420, 455/550.1, 455/572, 455/90.3[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Image](#) [Claims](#) [KOMC](#) [Drawn Desc](#) [Image](#) 4. Document ID: US 4671123 A

L87: Entry 4 of 33

File: USPT

Jun 9, 1987

US-PAT-NO: 4671123

DOCUMENT-IDENTIFIER: US 4671123 A

TITLE: Methods and apparatus for pipetting and/or titrating liquids using a hand held self-contained automated pipette

DATE-ISSUED: June 9, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Magnussen, Jr.; Haakon T.	Pinole	CA		
Smith; Gary L.	Walnut Creek	CA		
Ruskewicz; Stephen J.	Kensington	CA		
Wingo; Anthony K.	Oakland	CA		

US-CL-CURRENT: 73/864.16; 422/926, 436/179, 436/180, 436/51, 73/864.14, 73/864.18[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Image](#) [Claims](#) [KOMC](#) [Drawn Desc](#) [Image](#) 5. Document ID: US 4663536 A

L87: Entry 5 of 33

File: USPT

May 5, 1987

US-PAT-NO: 4663536

DOCUMENT-IDENTIFIER: US 4663536 A

TITLE: A.C. motor-generator

DATE-ISSUED: May 5, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roesel, Jr.; John F.	Bradenton	FL		
Barber; Ronnie J.	Bradenton	FL		

US-CL-CURRENT: 290/7; 290/45, 318/705, 318/720, 318/729, 318/814

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Draw Desc	Image
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 6. Document ID: US 4600873 A

L87: Entry 6 of 33

File: USPT

Jul 15, 1986

US-PAT-NO: 4600873

DOCUMENT-IDENTIFIER: US 4600873 A

TITLE: Synchronous A.C. motor

DATE-ISSUED: July 15, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roesel, Jr.; John F.	Bradenton	FL		
Barber; Ronnie J.	Bradenton	FL		

US-CL-CURRENT: 318/701; 310/163, 310/DIG.2, 318/705, 318/720, 318/729, 318/814

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Draw Desc	Image
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 7. Document ID: US 4230402 A

L87: Entry 7 of 33

File: USPT

Oct 28, 1980

US-PAT-NO: 4230402

DOCUMENT-IDENTIFIER: US 4230402 A

TITLE: Flash exposure control system

DATE-ISSUED: October 28, 1980

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Uchiyama; Takashi	Yokohama			JP
Nakamura; Zenzo	Urawa			JP
Ohtaki; Shohei	Yokohama			JP

US-CL-CURRENT: 396/161; 235/64.7, 396/170

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Draw Desc	Image
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 8. Document ID: US 4155341 A

L87: Entry 8 of 33

File: USPT

May 22, 1979

US-PAT-NO: 4155341
DOCUMENT-IDENTIFIER: US 4155341 A

TITLE: Ignition system

DATE-ISSUED: May 22, 1979

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fernquist; James F.	Farmington	MI		
Byrne; James C.	Farmington Hills	MI		

US-CL-CURRENT: 123/406.57; 123/335, 123/617, 123/647[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Description](#) [Claims](#) [KWD](#) [Draw Desc](#) [Image](#) 9. Document ID: US 4114009 A

L87: Entry 9 of 33

File: USPT

Sep 12, 1978

US-PAT-NO: 4114009
DOCUMENT-IDENTIFIER: US 4114009 A

TITLE: Switching and heat control mechanism for induction heating cooking apparatus having a plurality of work coils

DATE-ISSUED: September 12, 1978

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kiuchi; Mitsuyuki	Kadoma			JP
Amagami; Keizo	Kadoma			JP
Maeda; Shigeru	Osaka			JP
Saegusa; Shigeharu	Osaka			JP

US-CL-CURRENT: 219/622; 200/17R, 219/625, 219/662[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Description](#) [Claims](#) [KWD](#) [Draw Desc](#) [Image](#) 10. Document ID: US 3923138 A

L87: Entry 10 of 33

File: USPT

Dec 2, 1975

US-PAT-NO: 3923138
DOCUMENT-IDENTIFIER: US 3923138 A

TITLE: Printer with code-controlled tabulator structure

DATE-ISSUED: December 2, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Willcox; Frederick P.	New Canaan	CT	06840	

US-CL-CURRENT: 400/76; 400/144.2, 400/280, 400/705.4

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Text](#) [Image](#) [Claims](#) [RQMC](#) [Drawn Desc](#) [Image](#)

11. Document ID: US 3915280 A

L87: Entry 11 of 33

File: USPT

Oct 28, 1975

US-PAT-NO: 3915280

DOCUMENT-IDENTIFIER: US 3915280 A

TITLE: Printer format controls

DATE-ISSUED: October 28, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Willcox; Frederick P.	New Canaan	CT	06840	

US-CL-CURRENT: 400/279; 400/291, 400/320

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Text](#) [Image](#) [Claims](#) [RQMC](#) [Drawn Desc](#) [Image](#)

12. Document ID: US 3738472 A

L87: Entry 12 of 33

File: USPT

Jun 12, 1973

US-PAT-NO: 3738472

DOCUMENT-IDENTIFIER: US 3738472 A

TITLE: PRINTER FOR OFF-LINE PRINTING OF SUBSCRIPT AND SUPERSCRIPT CHARACTERS AND CODED VERTICAL TAB SETTING

DATE-ISSUED: June 12, 1973

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Willcox; Frederick P.	New Canaan	CT	06840	

US-CL-CURRENT: 400/573; 400/575, 400/582, 400/64, 400/707.2, 400/904

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Text](#) [Image](#) [Claims](#) [RQMC](#) [Drawn Desc](#) [Image](#)

13. Document ID: US 3581022 A

L87: Entry 13 of 33

File: USPT

May 25, 1971

US-PAT-NO: 3581022

DOCUMENT-IDENTIFIER: US 3581022 A

TITLE: MINIATURE TAPE RECORDER

DATE-ISSUED: May 25, 1971

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shigetomi; Sadao	Sagamihara City			JA
Saito; Shoichi	Tokyo			JA

US-CL-CURRENT: 360/60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw Desc	Image
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□ 14. Document ID: US 3534847 A

L87: Entry 14 of 33

File: USOC

Oct 20, 1970

US-PAT-NO: 3534847

DOCUMENT-IDENTIFIER: US 3534847 A

TITLE: HIGH SPEED TELEPRINTER

DATE-ISSUED: October 20, 1970

INVENTOR-NAME: WILLCOX FREDERICK P

US-CL-CURRENT: 400/143; 178/34, 400/156.1, 400/163.1, 400/163.3, 400/171, 400/175, 400/248,
400/568, 400/649, 400/686, 400/703, 400/904

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw Desc	Image
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□ 15. Document ID: US 3387081 A

L87: Entry 15 of 33

File: USOC

Jun 4, 1968

US-PAT-NO: 3387081

DOCUMENT-IDENTIFIER: US 3387081 A

TITLE: Telegraphic progressive printing system

DATE-ISSUED: June 4, 1968

INVENTOR-NAME: KLEINSCHMIDT EDWARD E; KURT TAUBMANN ; BRADBURY WILBURN F

US-CL-CURRENT: 178/4, 101/93.04, 178/30, 400/155, 400/232, 400/568

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw Desc	Image
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□ 16. Document ID: US 3340632 A

L87: Entry 16 of 33

File: USOC

Sep 12, 1967

US-PAT-NO: 3340632

DOCUMENT-IDENTIFIER: US 3340632 A

TITLE: Combination sound and slide projector

DATE-ISSUED: September 12, 1967

INVENTOR-NAME: GERRY MARTIN E

US-CL-CURRENT: 353/15; 360/101, 360/251.1, 360/80, 40/906

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KM/C	Draw Desc	Image
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17. Document ID: US 3324240 A

L87: Entry 17 of 33

File: USOC

Jun 6, 1967

US-PAT-NO: 3324240

DOCUMENT-IDENTIFIER: US 3324240 A

TITLE: Telegraphic progressive printing system

DATE-ISSUED: June 6, 1967

INVENTOR-NAME: KLEINSCHMIDT EDWARD E; KURT TAUBMANN ; BRADBURY WILBURN F

US-CL-CURRENT: 178/25, 101/93.04, 178/30, 375/369, 400/657, 400/662

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KM/C	Draw Desc	Image
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18. Document ID: US 3207265 A

L87: Entry 18 of 33

File: USOC

Sep 21, 1965

US-PAT-NO: 3207265

DOCUMENT-IDENTIFIER: US 3207265 A

TITLE: Elevator control system

DATE-ISSUED: September 21, 1965

INVENTOR-NAME: LUND ALVIN O; OSTRANDER WILLIAM M

US-CL-CURRENT: 187/284, 187/293

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KM/C	Draw Desc	Image
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19. Document ID: US 3185075 A

L87: Entry 19 of 33

File: USOC

May 25, 1965

US-PAT-NO: 3185075

DOCUMENT-IDENTIFIER: US 3185075 A

TITLE: High speed printer with print hammer control

DATE-ISSUED: May 25, 1965

INVENTOR-NAME: MCGREGOR ARVIN D; IRVINE JR JAMES M

US-CL-CURRENT: 101/93.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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□ 20. Document ID: US 3028085 A

L87: Entry 20 of 33

File: USOC

Apr 3, 1962

US-PAT-NO: 3028085

DOCUMENT-IDENTIFIER: US 3028085 A

TITLE: Calculating apparatus

DATE-ISSUED: April 3, 1962

INVENTOR-NAME: DONAN JOHN F; POWELL RALPH R ; CHRISTOFF CHRIS A

US-CL-CURRENT: 708/673, 708/542

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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□ 21. Document ID: US 3018040 A

L87: Entry 21 of 33

File: USOC

Jan 23, 1962

US-PAT-NO: 3018040

DOCUMENT-IDENTIFIER: US 3018040 A

TITLE: Combined business machine and tape perforator

DATE-ISSUED: January 23, 1962

INVENTOR-NAME: WALES JR NATHANIEL B

US-CL-CURRENT: 235/60.4; 234/108, 234/128, 235/61PJ

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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□ 22. Document ID: US 2962211 A

L87: Entry 22 of 33

File: USOC

Nov 29, 1960

US-PAT-NO: 2962211

DOCUMENT-IDENTIFIER: US 2962211 A

TITLE: Card controlled calculating punch

DATE-ISSUED: November 29, 1960

INVENTOR-NAME: EDMOND FEBVRE; EUGENIO ESTREMS ; IOINO GHERTMAN ; JEAN ROBINEAU MARCEL

US-CL-CURRENT: 235/434

Full	Title	Citation	Front	Review	Classification	Date	Reference	Document	Image	Claims	KMPC	Draw Desc	Image
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 23. Document ID: US 2922332 A

L87: Entry 23 of 33

File: USOC

Jan 26, 1960

US-PAT-NO: 2922332

DOCUMENT-IDENTIFIER: US 2922332 A

TITLE: Electronic devices for locating and measuring indicia

DATE-ISSUED: January 26, 1960

INVENTOR-NAME: LENTZ JOHN J; BENNETT RICHARD L ; ECKERT WALLACE J

US-CL-CURRENT: 235/434, 234/13, 234/65, 234/89, 33/1M, 33/1R, 341/113

Full	Title	Citation	Front	Review	Classification	Date	Reference	Document	Image	Claims	KMPC	Draw Desc	Image
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 24. Document ID: US 2797346 A

L87: Entry 24 of 33

File: USOC

Jun 25, 1957

US-PAT-NO: 2797346

DOCUMENT-IDENTIFIER: US 2797346 A

TITLE: Electric motors

DATE-ISSUED: June 25, 1957

INVENTOR-NAME: RANSEEN EMIL L

US-CL-CURRENT: 310/46; 310/49R

Full	Title	Citation	Front	Review	Classification	Date	Reference	Document	Image	Claims	KMPC	Draw Desc	Image
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 25. Document ID: US 2616626 A

L87: Entry 25 of 33

File: USOC

Nov 4, 1952

US-PAT-NO: 2616626

DOCUMENT-IDENTIFIER: US 2616626 A

TITLE: Calculator

DATE-ISSUED: November 4, 1952

INVENTOR-NAME: LAKE CLAIR D; AIKEN HOWARD H ; HAMILTON FRANCIS E ; DURFEE BENJAMIN M

US-CL-CURRENT: 708/277, 235/476

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Draw Desc	Image
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26. Document ID: US 2580870 A

L87: Entry 26 of 33

File: USOC

Jan 1, 1952

US-PAT-NO: 2580870

DOCUMENT-IDENTIFIER: US 2580870 A

TITLE: Accumulator

DATE-ISSUED: January 1, 1952

INVENTOR-NAME: WILKERSON VICTOR O

US-CL-CURRENT: 235/427; 235/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Draw Desc	Image
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27. Document ID: US 2427163 A

L87: Entry 27 of 33

File: USOC

Sep 9, 1947

US-PAT-NO: 2427163

DOCUMENT-IDENTIFIER: US 2427163 A

TITLE: Means for increasing the efficiency of full-fashioned knitting machines

DATE-ISSUED: September 9, 1947

INVENTOR-NAME: PAUL SCHMIDT; HAEHNEL HERBERT E

US-CL-CURRENT: 66/82R, 66/110, 66/157

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Draw Desc	Image
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28. Document ID: US 2255868 A

L87: Entry 28 of 33

File: USOC

Sep 16, 1941

US-PAT-NO: 2255868

DOCUMENT-IDENTIFIER: US 2255868 A

TITLE: System and apparatus for facsimile telegraphy

DATE-ISSUED: September 16, 1941

INVENTOR-NAME: WISE RALEIGH J; RIDINGS GARVICE H ; O'BRIEN FREDERIC L ; D HUMY FERNAND E

US-CL-CURRENT: 358/469, 358/476, 358/492, 358/496, 358/498

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Draw Desc	Image
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29. Document ID: US 2216161 A

L87: Entry 29 of 33

File: USOC

Oct 1, 1940

US-PAT-NO: 2216161

DOCUMENT-IDENTIFIER: US 2216161 A

TITLE: Apparatus for making meteorological observations

DATE-ISSUED: October 1, 1940

INVENTOR-NAME: CURTISS LEON F; ASTIN ALLEN V

US-CL-CURRENT: 340/870.28, 235/61B, 346/33B, 346/33TP, 346/50, 73/170.28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Image	Image	Claims	KM/C	Draw Desc	Image
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 30. Document ID: US 2125071 A

L87: Entry 30 of 33

File: USOC

Jul 26, 1938

US-PAT-NO: 2125071

DOCUMENT-IDENTIFIER: US 2125071 A

TITLE: Battery protecting control scheme

DATE-ISSUED: July 26, 1938

INVENTOR-NAME: HUTCHISON WILLIAM M; JONES RUEL C

US-CL-CURRENT: 320/123, 307/35, 307/64

Full	Title	Citation	Front	Review	Classification	Date	Reference	Image	Image	Claims	KM/C	Draw Desc	Image
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 31. Document ID: US 1816967 A

L87: Entry 31 of 33

File: USOC

Aug 4, 1931

US-PAT-NO: 1816967

DOCUMENT-IDENTIFIER: US 1816967 A

TITLE: Telephone system

DATE-ISSUED: August 4, 1931

INVENTOR-NAME: GREEN IRVING W

US-CL-CURRENT: 379/131; 322/55, 379/320

Full	Title	Citation	Front	Review	Classification	Date	Reference	Image	Image	Claims	KM/C	Draw Desc	Image
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 32. Document ID: US 1589489 A

L87: Entry 32 of 33

File: USOC

Jun 22, 1926

US-PAT-NO: 1589489

DOCUMENT-IDENTIFIER: US 1589489 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: June 22, 1926

INVENTOR-NAME: Name not available

US-CL-CURRENT: 123/606; 315/201, 315/206, 315/209M, 315/212, 315/218

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Drawn Desc	Image
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33. Document ID: US 1366617 A

L87: Entry 33 of 33

File: USOC

Jan 25, 1921

US-PAT-NO: 1366617

DOCUMENT-IDENTIFIER: US 1366617 A

TITLE: Telephone

DATE-ISSUED: January 25, 1921

INVENTOR-NAME: WIER HARRY B; CAPEN WILLIAM H

US-CL-CURRENT: 360/86

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Drawn Desc	Image
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
PARALLEL	3741154
PARALLELS	20396
BAR	1444735
BARS	638494
ROD	1694298
RODS	673746
BEAM	1398332
BEAMS	500830
(86 AND (PARALLEL OR BAR OR ROD OR BEAM)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	33
(L86 AND (PARALLEL OR BAR OR ROD OR BEAM)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	33